

GFH68 Recombinant Human FGF-22

Description

Fibroblast Growth Factor 22 (FGF-22) is a mediator of synaptogenesis in the adult nervous system and functions to regulate synapse formation and maturation. FGF-22 is expressed in the inner hair cell and functions to maintain ribbon synapse number to protect functional hearing. In the hippocampus, FGF-22 promotes excitatory synapse formation through binding the FGFR2b and FGFR1 β receptors. FGF-22 is also required for axonal circuit remodeling after spinal cord injury.

Length	149 aa
Molecular Weight	17.3 kDa
Source	E. coli
Accession Number	Q9HCT0
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

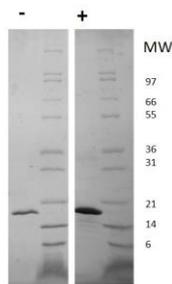
Specifications

Alternative Names	Fibroblast Growth Factor 22, FGF22, FGF 22, FGF22
Biological Activity	Activity to be determined
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MTPSASRGPR SYPHLEGDVR WRRLEFSSTHF FLRVDPGGRV QGTRWRHGQD SILEIRSVHV GVVVIKAVSS GFYVAMNRRG RLYGSRLYTV DCRFRERIEE NGHNTYASQR WRRRGQPMFL ALDRRGGPRP GGRTRRYHLS AHFLPVLVS

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Human FGF-22 has a predicted Mw of 17.3 kDa.